

NOTICE OF DRAFTSPERSON'S  
PATENT DRAWING REVIEWThe drawing(s) filed (on date) 03/09/02A. ☒ approved by the Draftsperson under 37 CFR 1.84 or 1.152B. ☐ objected to by the Draftsperson under 37 CFR 1.84 or 1.152 for the reasons indicated below. The Examiner will require submission of new, corrected drawing(s) when necessary. Corrected drawing must be submitted according to the instructions on the back of this notice.

1. DRAWINGS 37 CFR 1.84(a) Acceptable categories of drawings: Black ink Color Color drawings are not acceptable, with the following exceptions: Fig(s) _____ Partial and torn black ink not permitted. Fig(s) _____	8. ARRANGEMENT OF VIEWS 37 CFR 1.84(i) Words do not appear on a horizontal, left-to-right column when page is either upright or turned so that the top becomes the right side, except for figures. Fig(s) _____ Scale not large enough to show mechanism without crowding when drawing is reduced in size to two-thirds in reproduction. Fig(s) _____
2. PHOTOGRAPHS 37 CFR 1.84(b) 1 inflation set is required. Fig(s) _____ Photographs may not be mounted. 37 CFR 1.84(c) Poor quality (faint tones). Fig(s) _____	9. SCALE 37 CFR 1.84(j) Scale not large enough to show mechanism without crowding when drawing is reduced in size to two-thirds in reproduction. Fig(s) _____
3. TYPE OF PAPER 37 CFR 1.84(c) Paper not flexible, strong, white, and durable. Fig(s) _____ Erasures, alterations, overdrawings, interferences, folds, cups, machine marks not accepted. Fig(s) _____ Metric, volum paper is not acceptable (not thin). Fig(s) _____	10. CHARACTER OF LINES, NUMBERS, & LETTERS 37 CFR 1.84(l) Lines, numbers & letters not uniformly thick and well defined, clean, durable, and black (poor line quality). Fig(s) <u>12</u> Solid black areas pale. Fig(s) _____ Solid black shading not permitted. Fig(s) _____ Shade lines, pale, rough and blurred. Fig(s) _____
4. SIZE OF PAPER 37 CFR 1.84(f) Acceptable sizes: 21.0 cm by 29.7 cm (8 1/2 x 11 inches) 21.6 cm by 27.9 cm (8 1/2 x 11 inches) All drawing sheets not the same size. Sheet(s) _____ Drawing sheets not an acceptable size. Fig(s) _____	11. SHADING 37 CFR 1.84(m) Solid black areas pale. Fig(s) _____ Solid black shading not permitted. Fig(s) _____ Shade lines, pale, rough and blurred. Fig(s) _____
5. MARGINS 37 CFR 1.84(g) Acceptable margins: Top 2.5 cm Left 2.5 cm Right 1.5 cm Bottom 1.0 cm SIZE: A4 Size Top 2.5 cm Left 2.5 cm Right 1.5 cm Bottom 1.0 cm SIZE: 8 1/2 x 11 Margins not acceptable. Fig(s) _____ Top (T) _____ Left (L) _____ Right (R) _____ Bottom (B) _____	12. NUMBERS, LETTERS, & REFERENCE CHARACTERS 37 CFR 1.84(p) Numbers and reference characters not plain and legible. Fig(s) _____ Figure legends are poor. Fig(s) _____ Numbers and reference characters not oriented in the same direction as the view. 37 CFR 1.84(p)(1) Fig(s) _____ English alphabet not used. 37 CFR 1.84(p)(2) Fig(s) _____ Numbers, letters and reference characters must be at least 32 cm (1.8 inch) in height. 37 CFR 1.84(p)(3) Fig(s) <u>12</u>
6. REMINDER: Specification may require revision to correspond to drawing changes. Partial views 37 CFR 1.84(b)(2) Brackets needed to show figure as one entity. Fig(s) _____ Views not labeled separately or properly. Fig(s) _____ Enlarged view not labeled separately or properly. Fig(s) _____	13. LEAD LINES 37 CFR 1.84(q) Lead lines cross each other. Fig(s) _____ Lead lines missing. Fig(s) _____
7. SECTIONAL VIEWS 37 CFR 1.84(n)(3) Hatching not indicated for sectional portions of an object. Fig(s) _____ Sectional designation should be noted with Arabic or Roman numbers. Fig(s) _____	14. NUMBERING OF SHEETS OF DRAWINGS 37 CFR 1.84(h) Sheets not numbered consecutively, and in Arabic numerals, beginning with number 1. Sheet(s) _____ Views not numbered consecutively, and in Arabic numerals, beginning with number 1. Fig(s) _____
	15. NUMBERING OF VIEWS 37 CFR 1.84(u) Views not numbered consecutively, and in Arabic numerals, beginning with number 1. Fig(s) _____
	16. CORRECTIONS 37 CFR 1.84(w) Corrections not made from prior PTO-948 dated _____
	17. DESIGN DRAWINGS 37 CFR 1.152 Surface shading shown not appropriate. Fig(s) _____ Solid black shading not used for color contrast. Fig(s) _____

## COMMENTS

\* LINES CUT THRU LETTERS \* FIGS. 9A, 9B, 9C, 13, 15, 16

REVIEWER LAM DATE 10/10/02 TELEPHONE NO. \_\_\_\_\_ATTACHMENT TO PAPER NO. 11

## REMINDER

Drawing changes may also require changes in the specification, e.g., if Fig. 1 is changed to Fig. 1A, Fig. 1B, Fig. 1C, etc., the specification, at the Brief Description of the Drawing, must likewise be changed. Please make such changes by 37 CFR 1.312 amendment at the time of submitting drawings.

## INFORMATION ON HOW TO EFFECT DRAWING CHANGES

### 1. Correction of Drawings - 37 CFR 1.85

New corrected drawings must be filed with the changes incorporated therein. Identifying indicia, if provided, should include the title of the invention, inventor's name, and application number, or docket number (if any), if an application number has not been assigned to the application. If this information is provided, it must be placed on the front of each sheet and centered within the top margin. If corrected drawings are required in a Notice of Allowability (PTOL-37), the new drawings MUST be filed within the **THREE MONTH** shortened statutory period set for reply in the Notice of Allowability. Extensions of time may NOT be obtained under the provisions of 37 CFR 1.135(a) or (b) for filing the corrected drawings, under the mailing of a Notice of Allowability. The drawings also be filed as a separate paper with the actual filing of the responses to the Official Draftsperson.

### 2. Corrections other than Informalities Noted in the prior art Search Report (PTO-948)

All changes to the drawings, other than those that are specifically noted in the MPEP, must be made in the original drawing as no live display of informality corrections is available. If any needed changes are made, they must be incorporated into the new drawings. MUST be applied to the drawings. If the changes are not made, the changes will be permitted in the original drawing. If the changes are not made, the changes will be permitted in the original drawing.

#### Timing of Corrections

Applicant is required to submit the drawings with the original drawings, provided to the applicant by the Office of Communication. See 37 CFR 1.85(a).

Failure to take corrective action within the set period will result in **ABANDONMENT** of the application.

**Attachment for PTO-948 (Rev. 03/01, or earlier)**

6/18/01

**The below text replaces the pre-printed text under the heading, "Information on How to Effect Drawing Changes," on the back of the PTO-948 (Rev. 03/01, or earlier) form.**

**INFORMATION ON HOW TO EFFECT DRAWING CHANGES**

**1. Correction of Informalities -- 37 CFR 1.85**

New corrected drawings must be filed with the changes incorporated therein. Identifying indicia, if provided, should include the title of the invention, inventor's name, and application number, or docket number (if any) if an application number has not been assigned to the application. If this information is provided, it must be placed on the front of each sheet and centered within the top margin. If corrected drawings are required in a Notice of Allowability (PTOL-37), the new drawings **MUST** be filed within the **THREE MONTH** shortened statutory period set for reply in the Notice of Allowability. Extensions of time may **NOT** be obtained under the provisions of 37 CFR 1.136(a) or (b) for filing the corrected drawings after the mailing of a Notice of Allowability. The drawings should be filed as a separate paper with a transmittal letter addressed to the Official Draftsperson.

**2. Corrections other than Informalities Noted by Draftsperson on form PTO-948.**

All changes to the drawings, other than informalities noted by the Draftsperson, **MUST** be made in the same manner as above except that, normally, a highlighted (preferably red ink) sketch of the changes to be incorporated into the new drawings **MUST** be approved by the examiner before the application will be allowed. No changes will be permitted to be made, other than correction of informalities, unless the examiner has approved the proposed changes.

**Timing of Corrections**

Applicant is required to submit the drawing corrections within the time period set in the attached Office communication. See 37 CFR 1.85(a).

Failure to take corrective action within the set period will result in **ABANDONMENT** of the application.